

CLAIMS

What is claimed is:

1. A warning beacon, comprising:
 - a) a transparent housing, having a triangular shape suggestive of a warning sign,
5 and including a front face, a back face, and side edges;
 - b) a mounting plate, disposed within the housing between the front and back faces; and
 - c) a plurality of LEDs, supported by the mounting plate, and oriented to provide light in at least a forward direction through the front face.
- 10 2. A warning beacon in accordance with claim 1, further comprising a base configured to support the housing.
3. A warning beacon in accordance with claim 2, wherein the base comprises a structure
15 selected from the group consisting of fixed legs, folding legs, a magnetic mount, a battery pack, and a support flange.
4. A warning beacon in accordance with claim 1, wherein the mounting plate comprises a printed circuit board including control circuitry and electronic components for actuation and
20 control of the LEDs.
5. A warning beacon in accordance with claim 1, wherein the plurality of LEDs comprises a plurality of clusters of LEDs, each cluster containing at least two LEDs.
- 25 6. A warning beacon in accordance with claim 5, wherein the clusters of LEDs include clusters oriented in substantially orthogonal directions.
7. A warning beacon in accordance with claim 1, wherein the plurality of LEDs are configured to flash in a substantially random pattern.
- 30 8. A warning beacon in accordance with claim 1, wherein the plurality of LEDs further include LEDs oriented to provide light in at least a rearward direction through the back face.

9. A warning beacon in accordance with claim 1, wherein the plurality of LEDs further include LEDs oriented to provide light in a direction substantially perpendicular to the front face.
- 5 10. A warning beacon in accordance with claim 1, wherein the LEDs produce light of a color selected from the group consisting of red, orange, amber, white, blue, and green.
11. A warning beacon in accordance with claim 1, further comprising a power supply.
- 10 12. A warning beacon in accordance with claim 11, wherein the power supply comprises one or more dry cell batteries.
13. A warning beacon in accordance with claim 12, further comprising a battery mount disposed on an outside of the housing.
- 15 14. A warning beacon in accordance with claim 11, wherein the power supply is configured to accommodate an input voltage of from 6v to 36v DC.
15. A warning beacon in accordance with claim 11, wherein the power supply is
- 20 configured to be wired directly to a piece of equipment.
16. A warning beacon in accordance with claim 1, wherein the housing enhances a luminescence of the plurality of LEDs.
- 25 17. A warning beacon in accordance with claim 1, further comprising light reflective material disposed on the housing.
18. A warning beacon in accordance with claim 1, further comprising a warning sign disposed adjacent the housing.
- 30 19. A warning beacon, comprising:
- a) a base;

- b) a transparent housing, supported by the base, having a three-dimensional triangular shape suggestive of a warning sign, including a front face, a back face parallel to the front face, and side edges, and enclosing an interior space;
 - c) a triangularly shaped circuit board, vertically disposed in the interior space of the housing between the front and back faces; and
 - d) a plurality of LEDs, supported by the circuit board, and oriented to provide light in at least forward and rearward directions through the front face and back face, respectively.
- 10 20. A warning beacon, comprising:
- a) a transparent body, configured to be attached to a piece of equipment, having a triangular shape, an inside cavity, and a depth;
 - b) a printed circuit board, vertically disposed within the cavity;
 - c) a plurality of clusters of high intensity, narrow beam LEDs, supported by the circuit board, oriented to provide light in a plurality of directions through the transparent body; and
 - d) control circuitry, associated with the circuit board, configured to cause the LEDs to flash in an alternating pattern.
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- 20 21. A warning beacon, comprising:
- a) a substantially upright transparent panel, having a front face, a perimeter, and a triangular shape suggestive of a warning sign; and
 - b) a plurality of LEDs, disposed on the transparent panel, and oriented to provide light in at least a forward direction through the front face.